

NATUNLD Direct Command Syntax

This section covers the following topics:

- General Information
 - NATUNLD Syntax Diagrams
 - Examples of Direct Commands for NATUNLD in Batch Mode
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General Information

After the execution of the direct command, you can enter another NATUNLD direct command, or END to leave NATUNLD, on the Input Command Data screen.

The individual items within each "with-...-clause" and "where-...-clause" can be specified in any sequence.

If you specify the parameter PC, specify it only once (as it applies to the entire work file); you have to specify it in the first possible "with-...-clause".

For error messages, the parameters FROM LIBRARY and TO LIBRARY are only valid for user-defined messages, not for Natural system messages.

The values following the keyword DIC in the "object-with-clause" and "ddm-with-clause" must be separated by commas. The commas must also be specified for omitted values.

For example: DIC (10,,SECRET,12)

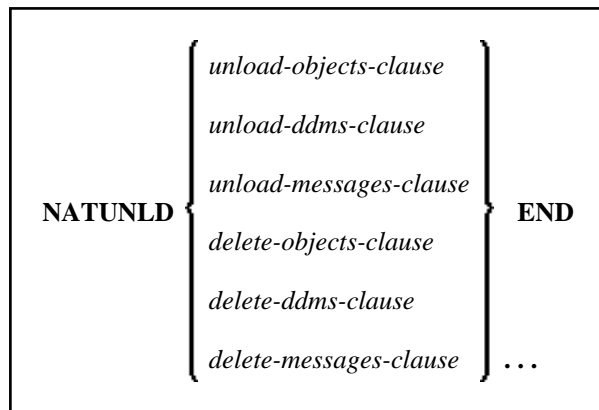
If the session parameter ID has been set to comma, use slashes (/) instead of commas as separators.

For better readability, synonymous keywords are omitted from the syntax diagrams below. An underlined portion of a keyword represents an acceptable abbreviation.

Valid synonyms are:

| Keyword | Synonym |
|----------|--------------|
| DDM | <u>V</u> IEW |
| END | STOP |
| | QUIT |
| | FIN |
| | . |
| FROM | FM |
| PASSWORD | PSW |
| UNLOAD | UNLD |

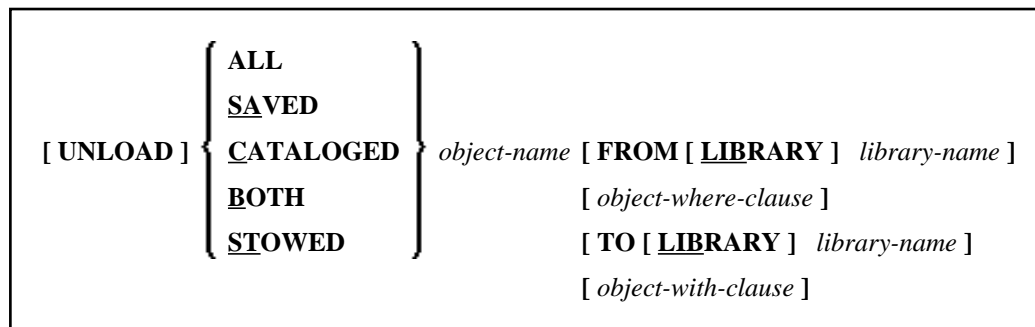
NATUNLD Syntax Diagrams



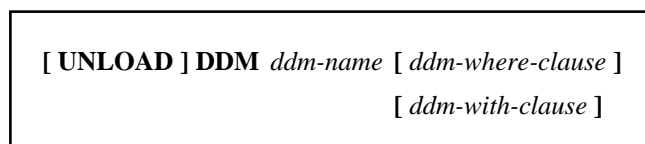
Below is information on:

- unload-objects-clause
- unload-ddms-clause
- unload-messages-clause
- object-where-clause
- object-with-clause
- ddm-where-clause
- ddm-with-clause
- message-with-clause
- delete-objects-clause
- delete-ddms-clause
- delete-messages-clause

unload-objects-clause - for Programming Objects



unload-ddms-clause - for DDMs



unload-messages-clause - for Error Messages

| | | | |
|--------------------------|--|---|---|
| [UNLOAD] <u>E</u> RROR | $\left\{ \begin{array}{l} \underline{U}SER \\ \text{NATURAL} \end{array} \right\}$ | $\left\{ \begin{array}{l} \underline{B}OTH \\ \underline{S}HORT \\ \underline{L}ONG \\ \underline{H}ELP \end{array} \right\}$ | <i>start-error-number</i> [TOERR <i>end-error-number</i>] [FROM [<u>L</u> IBRARY] <i>library-name</i>] [<i>object-where-clause</i>] [TO [<u>L</u> IBRARY] <i>library-name</i>] [<i>message-with-clause</i>] |
|--------------------------|--|---|---|

object-where-clause - for Programming Objects and Error Messages

[**WHERE**] [**DBID** *dbid*] [**FNR** *fnr*]
 [**NAME** *vsam-name*] [**CIPHER** *cipher-key*] [**PASSWORD** *password*]

object-with-clause - for Programming Objects

[**WITH**]
 [**DIC** (*dbid,fnr,password,cipher-key*)]
 [**FMDATE** *date*] [**TODATE** *date*] [**FMTIME** *time*] [**TOTIME** *time*]
 [**SETNO** *set-number*] [**SETUSER** *set-user-id*] [**NOSYMBOL-TABLE**]
 [**TID** *terminal-id*] [**TYPE** *object-types*] [**USER-ID** *user-id*] [**XREF** *xref-setting*]
 [**PC**] [**FIXEDLENGTH**]

ddm-where-clause

[**WHERE**] [**DDMDBID** *dbid*] [**DDMFNR** *fnr*]

ddm-with-clause

[**WITH**] [**DIC** (*dbid,fnr,password,cipher-key*)] [**PC**]
 [**FIXEDLENGTH**]

message-with-clause

```
[ WITH ] [ LANGUAGE language-codes ] [ PC ]
[ FIXEDLENGTH ]
```

delete-objects-clause - Delete Instructions for Programming Objects

```
DELETE { ALL
        SAVED
        CATALOGED } object-name FROM [ LIBRARY ] library-name
                                     [ WITH ] [ PC ]
```

delete-ddms-clause - Delete Instructions for DDMs

```
DELETE DDM ddm-name [ PC ]
```

delete-messages-clause - Delete Instructions for Error Messages

```
DELETE ERROR { USER
                NATURAL } { BOTH
                             SHORT
                             LONG } start-error-number
                                     [ TOERR end-error-number ]
                                     [ FROM [ LIBRARY ] library-name ]
                                     [ message-with-clause ]
```

Examples of Direct Commands for NATUNLD in Batch Mode

In this example, all saved and/or cataloged programming objects of type program whose names start with PGM are unloaded from the library TESTLIB.

```
NATUNLD ALL PGM* FROM TESTLIB WITH TYPE P
END
```

In this example, NATUNLD is placed in a separate line, and commas instead of blanks are used as separator characters. Apart from that, the example is identical to the previous one.

```
NATUNLD
ALL,PGM*,FROM,TESTLIB,WITH,TYPE,P
END
```

In this example, all programming objects saved on or after the 1st May 2000 are unloaded from the library OLDLIB, which is located on Database 100 in File Number 160. The objects are to be loaded into the library NEWLIB.

This example also shows the use of the continuation indicator (%) for a parameter string that is longer than a single line.

```
NATUNLD  
SAVED,*,FROM,OLDLIB,WHERE,DBID,100,FNR,160,%  
FMDATE,00-05-01,TO,NEWLIB  
END
```

In this example, all programming objects are unloaded from the library OLDLIB - together with their corresponding cross-reference data which are located on an FDIC file with File Number 20 on Database 10. The objects are to be loaded into the library NEWLIB.

```
NATUNLD  
ALL,*,FROM,OLDLIB,DIC,(10/20//),TO,NEWLIB,%  
WITH,XREF,Y  
END
```

This example shows the specification of multiple unloading instructions in one command.

```
NATUNLD  
ALL,PROG1,FROM,TESTORD,DBID,1,FNR,6,PSW,PASSWD,TO,ORDERSMAIN  
CATALOGED,PGM*,FROM,TESTLIB,TO,PRODLIB,WITH,TYPE,PNS SAVED,PROG1,TO,NEWLIB  
END
```